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We Hope for Better Times

2020 was the year of all years, so to speak. Last year at this time, Vermont was going about its business. We were toasting 2019 and looking forward to the start of a new decade. We made it through deep winter; then came March and our routines ended.

The pandemic forced us to close our schools, restaurants and workplaces. Grocery shopping, formerly mundane, became too much for many. Plans for parties, weddings, graduations and other celebrations that bring joy to everyday life were terminated with one fell swoop.

Our health care workers and first responders took care of us as we tried



to weave our way through Covid-19. Lives were lost. We learned more about how to take precautions and treat people who were ill, but the virus would not go away.

We pivoted. Our farmers, producers and those getting food to our table stood tall and fed us, but it was not without sacrifice or disruption. Businesses reinvented themselves on the fly to remain open. With schools, colleges and restaurants closed people had less of an opportunity to access Vermont products. Websites were built on weekends; e-commerce became more of a friend. Farm Stands popped up overnight. Farmers Markets and Community Supported Agriculture shares were there for Vermonters, and schools offered universal access to meals. Sales of local products to big out of state markets crashed. With fewer visitors, markets shrank.

Agriculture became even more important to Vermonters, and we are grateful there was financial

support to fill in the gaps. The Agency has completed fulfilling grants to those who make their living off the land. While the figures are not final, it looks like nearly 1000 businesses received support from CARES Act dollars, totaling more than \$25 million. This funding critical to the support, and eventually, the resilience of Vermont's farmers, producers and value-added food businesses. We also assisted with the Vermont Department of Tourism and Marketing "Buy Vermont Made" campaign. This promotional effort provided a one-stop online platform to purchase from local shops and Vermont businesses, and will live into the future.

As we close out 2020, we hope for better times. The vaccine is here and every day, more Vermonters

are immunized. We also are focused on projects for recovery. We know we need to increase the capacity to process more local meat, and we are focused on improving the dairy economy. Our farmers and processors are on a roller coaster ride that isn't much fun.

We did receive some outstanding news recently from Senator Patrick Leahy. The Northeast Dairy Business Innovation Center, created in 2018 with the help of the Senator, got a boost from Washington. Senator Leahy announced that the Center is funded at \$22 million for 2021, a \$2 million dollar increase over fiscal year 2020. We host one of three Centers and Vermont's is managed by the Vermont Agency of Agriculture, Food and Markets. This new approach provides technical and financial assistance to help dairy producers diversify their products, examines innovative on-farm production practices and closely looks at emerging market trends with the goal of improving the dairy economy. You will be hearing more about the Center and other successes yet to come in 2021. You can learn more about Northeast Dairy Business Innovation Center here: <https://agriculture.vermont.gov/dbic>

We are grateful for all your support this past year, and we are thankful to live in a state that cares about its land, animals and neighbors. We will continue to learn and listen. We wish you peace and prosperity in 2021.

Anson Tebbetts, Secretary, Agency of Agriculture, Food & Markets



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NORTHEAST DAIRY BUSINESS INNOVATION CENTER PROJECT HIGHLIGHT:

Transition to Grazing: Farmers Thinking Outside the Box

By Cheryl Cesario, UVM Extension
Grazing Specialist

As part of the Northeast Dairy Business Innovation Center (NE-DBIC) grant activities, in 2019 the University of Vermont Extension secured a bid to develop a pilot program to provide technical assistance for dairy farmers seeking to transition to rotational grazing. An additional request for proposal will be released in February through the NE-DBIC for similar work. Multiple contracts will be awarded to service providers projects throughout the Northeast region of the US. Please stay tuned on the NE-DBIC website for more details: agriculture.vermont.gov/dbic



In 2019, the Vermont Agency of Agriculture, Food and Markets was selected to lead one of three national USDA Dairy Business Innovation Centers. A total of \$6.59 million was awarded to the Agency to fund a variety of projects in several priority areas. One identified area included assistance for farmers who would like to develop grazing as a production strategy.

Through this funding, an opportunity arose for me to work closely with a small group of farmers as part of the grazing initiative. The idea of this project was that farmers would receive direct one-on-one support as well as the opportunity for networking as a group to sharpen their grazing knowledge and skills. The participating farmers are all considering or actively transitioning to managed grazing as a new production practice.

One of the big motivators for me in applying for this program, was that each farmer, by participating in this two-year project, would be eligible for a grant to implement

additional grazing projects on their farm. Besides, any time there is funding to allow for more follow up, it develops a closer working relationship with the farmer.

Thankfully in early June, we were able to get back into the full swing of farm visits and I was able to start getting this program off the ground. It is certainly a pretty strange year to launch a program that is built entirely on face-to-face in-person meetings. So far, we have been able to stay on track.

We have an amazing group of dairy producers in this group! Our group includes Scott Cleveland, Wells; Cindy and Brian Kayhart, New Haven; Dave Seward, East Wallingford; Caleb Smith, Danby; and Brad Thomas, Orwell. These farmers are all taking risks to try something new and really thinking creatively.

Our first meeting as a group occurred at the Cleveland Farm at the end of August. This is Scott's first full season grazing his milking herd and he has done an amazing job meeting his herd's forage needs

on pasture. Even during the dry summer conditions in July, he was able to adjust recovery times between grazing periods while also adjusting stored feeds in the barn to compensate for slower growth. Scott's success this year demonstrates what is possible when we put grazing as the centerpiece of the operation, not just the supplement to it.

Our second meeting took place at the end of October at Dorset Peak Jerseys in Danby. Invited guest Sarah Flack joined us on a tour of Caleb Smith's farm as we considered how to implement a grazing plan on this farm. Caleb has a new NRCS contract to begin installing the necessary infrastructure he needs to make this transition. However, while grazing seems to be a great fit for the land base here, it is still a big leap and there are a lot of logistics to consider. This is one of the benefits of a small group cohort – the ability to brainstorm and bounce ideas back and forth among trusted peers.

During our first group meeting, I gave each farmer a short article

called 'The Hardest Part of Change is Changing' written by Dave Pratt. In it he cites Jim Hightower, a former Texas agriculture commissioner, who stated that the only things in the middle of the road are yellow stripes and dead armadillos. Dave follows up by stating, "When it comes to building a sustainable business, you will achieve more success faster by determining the right strategy, committing to it, and making the transition as short as possible. The alternative may make you a flattened armadillo."

I try and keep this statement in mind as I work with farmers who are making big changes. Transition is the toughest part of implementing change. How can we work together to make the transition go as smoothly as possible? As this project proceeds throughout 2021, we will be sharing these farmers' experiences and stories as they develop new strategies.

For more information about this project, contact Cheryl Cesario at (802) 388-4969 ext. 346 or [Cheryl.Cesario@uvm.edu](mailto:Cesario@uvm.edu)

Vermont's New Local Food Definition: What Does It Mean And What Has Changed?

On July 2, 2020, Governor Scott signed Act 129 (H.656) into law. The legislation changed the definition of “local” and equivalent terms like “locally grown,” “local to Vermont,” and “made in Vermont” to better define Vermont food. The clarity should also help protect the value and craftsmanship of Vermont’s food and agricultural producers and processors. The new definition makes “local” synonymous with “Vermont” with respect to food products. It also offers opportunities to celebrate Vermont’s brand and recognize the value of buying Vermont products.

Previously, the term “local” could vary depending upon where a food product was sold because “local” food had to originate in Vermont or within 30 miles of the point of sale. As a result, Quebec food could be “local” in Newport, New York food “local” in Burlington, Massachusetts food “local” in Brattleboro, and New Hampshire food “local” in White River, while none of those foods could be “local” in Montpelier. Now, all “local” food is also “Vermont” food, and the “local” definition is consistent throughout the State.

In addition, the previous “local” definition required food to “originate” within Vermont (or 30 miles of the point of sale), but did not define distinct food types or explain what was required for any food type



to qualify as “originating” within Vermont. As a result, there was no clear way to distinguish between the “origin” requirements for obviously different food items like apples, cheese, maple syrup, sausage, beer, or bread.

The new definition differentiates food by category and clarifies how various types of food qualify as “local” or “Vermont” food. The specificity will allow growers, producers, and processors to know how to produce “local” food and help consumers understand and appreciate what they are buying. The Agency is hopeful that the new clarity will also help promote the production and sale of healthy, nutritious, and delicious Vermont food.

Under the new definition, a person or company’s food is categorized into the following three areas: Raw Agricultural Products, Processed Food, or Unique Food Products. Baked goods and beverages are also specifically identified and are subject to the same requirements as unique food

products. A brief description of each food category is further explained below.

Raw Agricultural Product

A ‘raw agricultural product’ is any food in its raw or natural state without added ingredients, and includes pasteurized or homogenized milk, maple sap or syrup, honey, meat, eggs, apple cider, and fruits or vegetables that may be washed, colored, or otherwise treated in their unpeeled natural form prior to marketing. A raw agriculture product is “local” and/or “Vermont” food if it is:

- Exclusively grown or tapped in Vermont;
- NOT milk, and was derived from an animal raised for a substantial period of its life in Vermont (meaning the animal was harvested in Vermont and lived in Vermont for at least one third of its life or one year);
- IS milk, where a majority of the milk was produced

- from Vermont animals; or
- Is honey produced by Vermont colonies located exclusively in Vermont when all nectar was collected.

Processed Food

Processed foods are broken into two subgroups. A product is considered a ‘processed food’ whenever it is not a raw agricultural product, but processed foods also include raw agricultural products that have been subject to processing, such as canning, cooking, dehydrating, milling, or the addition of other ingredients. Processed foods include dairy, meat, maple products, beverages, fruit, or vegetables that have been subject to processing, baked, or modified into a value-added or unique food product. Processed foods are “local” and/or “Vermont” food if:

- The majority of ingredients (meaning more than 50 percent of all product ingredients by volume, excluding water) are raw agricultural products that are “local” to Vermont; and
- The product was either processed in Vermont or the food manufacturer is headquartered in Vermont (or both are true).

Unique Food Product

Unique food products are a segment of processed food made from ingredients that are not regularly produced in Vermont or not available in sufficient quantities to meet production

requirements. When raw Vermont ingredients are not available, a product can still be “Vermont” food when it satisfies the “unique food” criteria. Unique food products, bakery products, and beverages are “local” and/or “Vermont” food when two or more of the following requirements are satisfied:

- The majority of ingredients (meaning more than 50 percent of all product ingredients by volume, excluding water) are raw agricultural products that are “local” to Vermont;
- Substantial transformation of the ingredients in the product occurred in Vermont; and/or
- The headquarters of the company that manufactures the product is in Vermont.

The definitions pertain only to “local” or “Vermont” food. Use of the term “Vermont” with respect to non-food products continue to be subject to the Vermont Origin Rule. Likewise, company names are not affected by this legislation and are subject to the Vermont Origin Rule. Any questions about the Origin Rule should be directed to the Attorney General’s Office at AGO.VermontLabeling@vermont.gov.

While “local” and “Vermont” food are synonymous, “local” and similar terms like “locally grown” or “locally made” may still be used to identify distinct geographic locations other than Vermont,

provided that the alternate “local” location is identified as prominently as the term “local” and the representation of origin is accurate. The following conditions apply depending upon whether a distinct location is defined by political boundaries (like a city or town) or is a more loosely defined region (like “The Valley”).

- If a “local” representation refers to a region other than Vermont that has precisely defined political boundaries (like a town, county, or defined area like “New England”), then the product must identify the region and must have been grown or made within those boundaries. Examples are ‘Locally Made in Newport’ and ‘Locally Grown in Bennington.’
- If a “local” representation refers to a region that is not precisely defined by political boundaries, then the region shall be prominently described when the representation is made, or the product shall have been grown or made within 30 miles of the point of sale, measured directly point to point. Examples are ‘Made with Corn Local to the Champlain Valley’ and ‘Local Upper Valley Apples.’ In these instances, if the food product originated more than 30 miles from the point of sale, then “Champlain Valley” or “Upper Valley” should also be defined. A person or company who sells or markets food affected by the change in the “local” food

definition has until January 1, 2021 to utilize existing product labels or packaging materials and come into compliance with the new definition. Questions about the new local definition can be directed to Kyle Harris at kyle.harris@vermont.gov or 802-522-6679.

This synopsis of the new “local” definition is designed to provide a convenient overview of the legal definition and does not alter, modify, or interpret it. To fully understand the local definition and ensure related compliance, all producers should carefully review the legal requirements in Act 129 (H.656) at <https://legislature.vermont.gov/Documents/2020/Docs/ACTS/ACT129/ACT129%20As%20Enacted.pdf>

Radio ID Tags

continued from page 1

of Agriculture’s Animal Health Specialists can deliver tags to your farm, provide technical assistance re. tag application and ID records-management and advise you on acquisition of affordable RFID tag readers and integrated technology that is smart phone-compatible to transition to a fully electronic ID management system if that is your goal. If you want to just stick to using RFID tags only, that is also fine!

In the future as tag availability allows, the Agency may increase the per-farm tag allotment caps. Stay tuned for more updates on this front and related information!

Livestock And Poultry Identification

Livestock and Poultry Identification Purpose

Animal disease traceability, or knowing where diseased and at-risk animals are, where they’ve been, and when, is very important to ensure a rapid response when animal disease events take place. An efficient and accurate animal disease traceability system helps reduce the number of animals involved in an investigation, reduces the time needed to respond, and decreases the cost to producers and the government.

By quickly containing contagious disease outbreaks, Animal Health Section veterinarians and specialists help to minimize disease-associated economic loss and protect the business continuity of Vermont’s animal agriculture businesses.

Vermont Livestock Identification Law

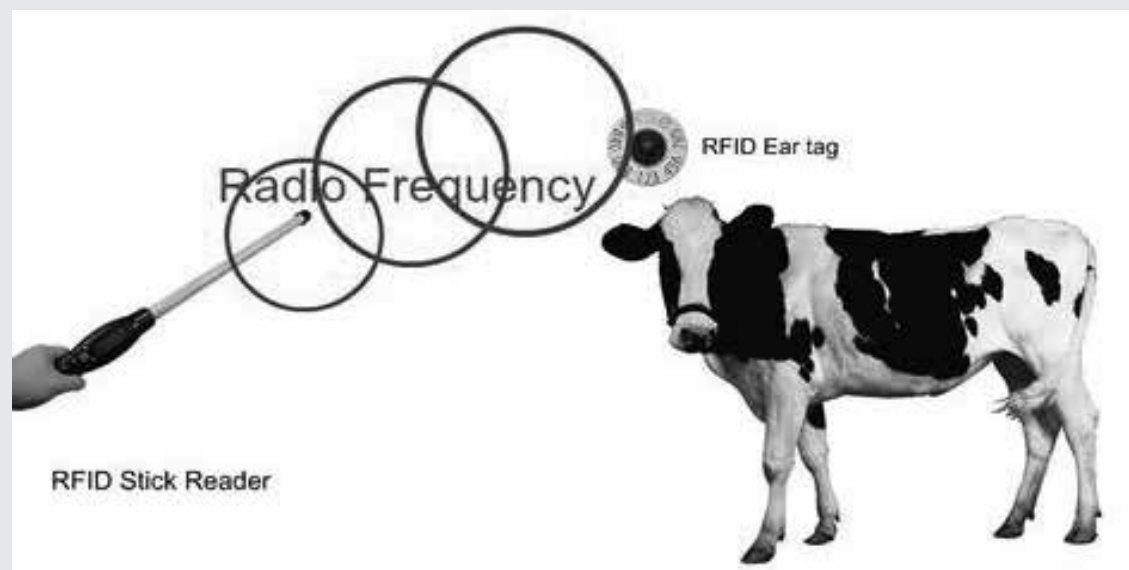
State law requires all livestock transported within the State to be officially identified prior to leaving the property of origin, regardless of the reason for movement or duration of absence from the property. Livestock include dairy and beef cattle, sheep, goats, pigs and camelids. Examples of livestock movement within Vermont that this requirement applies to include transport to a slaughter facility, movement to a new farm location, and transport to a fair or exhibit. By having an official ear tag applied in your animal, there is a greater likelihood that your animal’s traceability is maintained during transport, marketing and slaughter. Additionally, applying official ID to your livestock before they leave your farm ensures that drug residues are

not erroneously attributed to you and that the authenticity of any marketing claims you are making can be readily verified. Livestock transported out of Vermont also must be officially identified. Please note that backtags are NOT considered official identification and can’t be used for intra- and interstate movement. There is ongoing discussion at the federal level that indicates that at some point in 2019, only scannable electronic (RFID) ear tags will be allowed to be used as official ID.

Types of Tags and How to Get Them

Official identification is required for intra- and interstate movement of livestock and poultry. Metal ear tags (NUES tags) and 840 radio-frequency identification (RFID) tags are commonly used in Vermont by livestock owners to meet these requirements. For many years, VAAFM has provided metal NUES tags at no charge to farmers, veterinarians, and livestock dealers. The Agency is pleased to announce that radio-frequency identification (RFID) tags are now available to Vermont farmers, licensed dealers and veterinarians at no charge for use in cattle. The annual number of free RFID tags farmers may receive is dependent on farm size. Small farm operations may acquire up to 100 RFID tags; medium farm operations up to 200; and large farm operations may acquire up to 400 tags annually. Please call the Animal Health Section at (802) 828-2421 or email your request to agr.animalhealth@vermont.gov to request metal or RFID tags.

Please review the educational handout illustrating official livestock tags.



Third Annual Industrial Hemp Conference

Friday, February 26, 2021

The University of Vermont and Vermont Agency of Agricultural Foods and Markets are hosting the Third Annual Industrial Hemp Conference on February 26, 2021.

This year's conference will be virtual experience with presentations, panels, virtual exhibitor hall, and plenty of networking!

This year's keynote speaker is Vermont's own Dr. John McPartland. John began his cannabinoid research in 1981—the last person issued a DEA Schedule I license to cultivate cannabis before the Reagan War on Drugs. He has consulted for GW Pharmaceuticals since 1999, but primarily earns his keep as an osteopathic physician in Middlebury. John will share tales, trials, and tribulations of working with one of the most controversial crops in world.

Other topic highlights include integrated pest management, agronomics, feminized seed production, pesticide use on hemp, harvest timing, drying and storage strategies, product safety, farmer panels, and more.

More information and registration can be found at <http://go.uvm.edu/conferences>.

If you are interested in Sponsoring and/or Exhibiting at the Virtual Industrial Hemp Conference – please email susan.brouillette@uvm.edu or call 802-309-8260.



Dr. John McPartland

Wear a Mask

By Scott Waterman, VT
Agency of Agriculture, Food & Markets

The Agency of Agriculture, Food and Markets is thankful for the contributions of farmers and food processors to the food supply during the pandemic. The Agency also considers the health and safety of our food, farmers, families, and communities to be of paramount importance. As such, we would like to remind all that the Governor's face covering and social distancing requirements must be complied with during farm and food processing facility inspections. Face coverings must be worn by farmers and food processors and

their employees, vendors, and consultants at all times during inspections conducted by Agency staff. A distance of 6' must be maintained between individuals whenever possible.

All businesses must change processes and work environments to meet the strict social distancing requirements included in the phased restart Work Safe guidance. In instances where non-critical businesses are unable to comply with the strict 6-foot social distancing requirement, they may not be able

to open at this time — even under the Phased Work Safe Guidance. Critical businesses unable to meet the requirement must implement other protective measures, such as separating workstations with physical barriers, in an effort to protect their workers. Ignoring these safety requirements violates the law.

Thank you for all you are doing for Vermont. Be safe.



Nutrient Management Plan Update Sessions

Did you know you need to update your Nutrient Management Plan (NMP) every year to stay in compliance with the State of Vermont Required Agricultural Practices (RAPs)?

If your NMP is out of date or you need assistance in updating your plan, UVM Extension can help! Due to COVID requirements group sessions will not be held this winter. There are a variety of safe options available to assist with your NMP update; however, the more advance notice we have, the better we will be able to help with your NMP update.

If you are already working with a UVM Extension or Conservation District staff person, please feel free to reach out to them directly. They are ready to schedule an update with you!

If you are unsure who should help you with your NMP update, please contact Susan Brouillette at the UVM Extension Office to get connected with technical assistance.

Susan.brouillette@uvm.edu or 802-524-6501, ext. 432

Agency of Agriculture, Food & Markets Welcomes New Assistant State Veterinarian

Dr. Kristin Haas, VT Agency of Agriculture, Food & Markets

The Vermont Agency of Agriculture is pleased to welcome Dr. Kaitlynn Levine ("Dr. Kate") as the Agency's new Animal Health Section Chief and Assistant State Veterinarian. Dr. Kate will lead an experienced Agency team working to implement the Animal Health section's numerous regulatory, technical assistance and outreach programs intended to protect the

health of Vermont's livestock and poultry. These programs also ensure that Vermont livestock, poultry and animal products can be sold locally, nationally, and internationally.

Dr. Kate has pin-balled around the Northeast and is excited to be returning to Vermont to join the Agency. She grew up in Maine, obtained her undergraduate degree from Middlebury College, and received her veterinary degree from the Cummings School of Veterinary Medicine at Tufts University in Massachusetts.

Dr. Kate began her career as a veterinarian in rural Ontario, providing services to full time dairies and beef producers, hobby livestock owners, and farms of all sizes and styles in between. There she also picked up her only pet, a rabbit named Darryl.

After three years in Canada, Dr. Kate moved south of the border once more to be a mixed practice mobile veterinarian in New York, where her dedicated dairy calls remained the highlight of her weeks. Due to the extraordinary circumstances of 2020, she returned to Maine and began working for the Maine CDC as a part of their Covid-19 response. Dr. Kate is looking forward to combining her government work experience with her clinical knowledge to help support Vermont's farms, people, and animals.

Kate is also looking forward to having access to plenty of mountains and snow to feed her love of snowboarding. As a proud aunt to three boys, including newborn twins, she also looks forward to traveling once again to spend time with her family and friends. Dr. Kate is happy to call Vermont her new home base!



For Agricultural Events and Resources Visit:

- The VT Agency of Agriculture Events Calendar: <http://agriculture.vermont.gov/events/month>
- UVM Extension Events Calendars: http://www.uvm.edu/extension/extension_event_calendars
- Vermont Farm to Plate Events Calendar: <http://www.vtfarmtoplate.com/events>
- Northeast Organic Farming Association of Vermont Events Calendar: <http://nofavt.org/events>
- DigIn Vermont Events Calendar: <https://www.diginvt.com/events/>
- Required Agricultural Resources (RAPs) Resources: <http://agriculture.vermont.gov/water-quality/regulations/rap>
- Agency of Ag's Tile Drain Report now available here: <http://agriculture.vermont.gov/tile-drainage>
- VAAFM annual report available here: http://agriculture.vermont.gov/about_us/budgets_reports
- Farm First: Confidential help with personal or work-related issues. More info call: 1-877-493-6216 anytime day or night, or visit: www.farmfirst.org
- Vermont AgrAbility: Free service promoting success in agriculture for people with disabilities and their families. More info call 1-800-639-1522, email: info@vcil.org or visit: www.vcil.org.

For more agricultural events visit our Funding Opportunities & Resources for Businesses webpage at: http://agriculture.vermont.gov/producer_partner_resources/funding_opportunities

LFO Annual Report and Operating Fee Reminder

Permitted LFOs must submit an annual report and operating fee of \$2,500 to the VAAFM by February 15 of each year. A fillable PDF of the annual report form and additional forms and information can be found at <https://agriculture.vermont.gov/lfo>.

Checks of \$2,500 should be made payable to Vermont Agency of Agriculture, Food & Markets and can be submitted to VAAFM, Attention Jeff Cook, 116 State Street, Montpelier, VT 05620.



Introducing the Northeast Dairy Business Innovation Team

By Kathryn Donovan, VT
Agency of Agriculture, Food & Markets

The Northeast Dairy Business Innovation Center (NE-DBIC) is now fully staffed. We are pleased to have a strong team supporting dairy farmers and processors in our region. We are happy to introduce you to the team.

Laura Ginsburg, Center Lead

Laura has been with the Agency of Agriculture, Food & Markets for three years in her role as the Section Chief of the Development Division where she leads a team of staff who run programs to support business development, marketing, market expansion, and access to funding. In her role as NE-DBIC Center Lead, Laura will coordinate with regional stakeholders, overseeing the strategic implementation of project funds, and developing ideas to address long-term dairy business success. Before moving to Vermont, Laura and her family ran a small, diversified livestock farm and ice cream creamery in Montana. She also has experience working on dairy farms in Vermont, Montana, and New Zealand, and worked on a large cow/calf beef operation in Wyoming.



Kathryn Donovan, Center Coordinator

Kathryn is a native Vermonter with over a decade of farm management experience in Vermont, Montana, and Washington, with a focus on seed production. Kathryn returned to Vermont in 2018, taking a position with the Agency as regional marketing development coordinator where she managed the Vermont Building at the Big E, managed several state and federal grant programs, and engaged



in regional distribution challenges facing Vermont producers. She brings with her skills in streamlining production processes and marketing and promotion development. Kathryn will focus on marketing and communications of the NE-DBIC, engaging with dairy farmers, processors, other Northeast state governmental agencies, and the public. She will also manage grants and contracts for partner organizations, contractors, and businesses for activities within the DBIC.

Rebecca Brockett, Center Contracts & Grants Administrator

Rebecca recently moved

to Vermont to join the Agency as the new Contracts and Grants Administrator responsible for the DBIC fund management. Rebecca previously lived in Saint Louis, Missouri where she held the position of Contract Operations Manager at Equifax Workforce Solutions. During her eight years there she oversaw all contract processing and related activities for the business unit, developing a core strength in process design and improvement which she will leverage to lead process improvement



efforts within the grants management system and processes. Additionally, Rebecca will be providing leadership supervising the Agriculture Development Grants and Contracts team.

Contact Us:

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New Labeling Standard for Hemp Seed

By Stephanie Smith, VT
Agency of Agriculture, Food & Markets

Hemp is an agricultural commodity that became legal at the federal level just over two years ago. This recent decriminalization launched hemp seed research and breeding, but it can still be challenging to find seed that meet a grower's needs in terms of consistency, suitability for cultivation in a particular region, or that honor the claims on seed labels and in advertisements. To address these challenges, Vermont sellers and distributors of

hemp seed must comply with labeling standards, as outlined in Vermont law, in chapter 34 of title 6.

These standards for seed package labeling and honoring any claims made on the package or in any advertising are in addition to an almost universal requirement that seed sellers and distributors be registered as Seed Dealers with the Vermont Agency of Agriculture, Food and Markets. All hemp seed must have a label attached to the bag or container containing the following information:

- the name (cultivar or variety) and kind (grain, fiber, cannabinoid) of each hemp seed present in

excess of 5% of the whole percentage by weight of the package;

- the origin state or foreign country of the hemp seed;
- the percentage
 - by weight of any weed seeds in the container or bag
 - by weight of any inert matter
 - of feminized seed
 - of germination of the seed
- the date the seed was packaged
- the name and address of the company that packaged the seed or who sells, offers to sell, exposes for sale or distributes the hemp seed in Vermont

The label may also include information about whether the seed was "certified" as defined by the state or foreign country certifying that seed.

The Secretary of the Vermont Agency of Agriculture, Food and Markets has the authority to enforce these hemp seed labeling standards, may conduct inspections of the sale or distribution of hemp seed, and may issue penalties for violations.

Additional Resources:

Becoming a registered seed dealer please visit <https://agriculture.vermont.gov>.

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Water Quality Grants – Start Planning Today!

by Sonia Howlett, VT Agency of Agriculture, Food & Markets

You may have been, or are now, interested in a water quality grant from the Agency of Agriculture, Food & Markets. And you might be wondering, what does that process look like? Let's walk through the steps required to make the grants work for you.

Apply

All Agency of Agriculture, Food and Market Water

Quality grant applications are available on our website, at agriculture.vermont.gov/water-quality/assistance-programs. Deadlines occur throughout the year.

Applications for most of our grant programs can be completed online or printed and filled out before scanning or mailing to submit. Conservation District staff, Agency field inspectors, Technical Service Providers and UVM Extension specialists may be able to assist you in finding and completing an

application. Make sure you read all the program information and submit all required documentation!

Work with Agency staff to submit any missing documentation, then wait (grant is reviewed)

If you are missing any components, you may be contacted and asked to submit those pieces within a certain timeframe. If you have not recently received a grant from the Agency, you will also be asked to submit a W9 to be entered

into the state's payment system. Any questions about how to complete this form should be directed to a tax accountant or advisor as Agency personnel are not permitted to provide you with advice for how to complete this form.

All complete grant applications are reviewed by qualified personnel. Some of programs, like the Capital Equipment Assistance Program (CEAP) are always quite competitive. Others, like the Field Agronomic Practices (FAP) Program are

less competitive, but all are dependent on the budgets and program demand. Agency staff will confirm that your organization and project meet eligibility criteria and that your farm is in "good standing" with the Agency.

Hear back and return signed grant, if awarded

Agency staff will contact you to let you know about the status of your application. If you were not awarded a grant, you will

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2021 AAFM Water Quality Grant Application Deadlines

Program	Deadline	Grant Purpose	Contact
Conservation Innovation Grant (CIG) research initiative	March 1	Participate in AAFM research initiative and be compensated \$1,750 for providing whole-farm field management data and engaging with surveys.	Sonia Howlett (802) 522-4655
Field Agronomic Practice (FAP) program: Spring practices	March/April	Per-acre payments for conservation practices. In spring, eligible practices include reduced tillage, manure injection, no-till renovation and rotation into perennial forages. Must apply >30 days before implementation.	Nina Gage (802) 622-4098
Farmstead Best Management Practices (BMP) Program	April 1	Technical and Financial Assistance for engineered conservation practices (up to 90% cost-share)	Rob Achilles (802) 917-1397
Field Agronomic Practice (FAP) program: Rotational Grazing	June 15	Per-acre payments for conservation practices. June 15 latest deadline to receive payment on 2021 Rotational Grazing	Nina Gage (802) 622-4098
Field Agronomic Practice (FAP) program: Cover Crop	August 1	Per-acre payments for conservation practices. August 1 latest deadline to receive payment on 2021 Cover Crop. Other eligible fall practices include manure injection and no-till renovation: apply >30 days before implementation.	Nina Gage (802) 622-4098
Capital Equipment Assistance Program (CEAP)	November 1	Purchase of innovative equipment that aids in the reduction of runoff (up to 90% cost-share)	Nina Gage (802) 622-4098
Pasture and Surface Water Fencing (PSWF) Program	Year-round	Technical and Financial Assistance for pasture management and livestock exclusion from surface water (up to 90% cost-share)	Kaitlin Hayes (802) 622-4112
Grassed Waterway and Filter Strip (GWFS) Program	Year-round	Technical and Financial Assistance for implementing buffers and seeding down critical areas (up to 90% cost-share)	Sonia Howlett (802) 522-4655
Conservation Reserve Enhancement Program (CREP)	Year-round	Implementation costs of vegetated buffers (up to 90% cost-share) and rental payments for maintained buffers in 15-30 year contracts.	Ben Gabos (802) 461-3814

Vermont Fish & Wildlife Offers Ice Fishing Educational Patrols

By VT Department of Fish & Wildlife

New to ice fishing? Looking for fishing tips? Wondering how the fish survive a winter under the ice? Want to meet your local State Game Warden? The Vermont Fish and Wildlife Department will be conducting Educational Patrols during winter 2021 on Vermont lakes and ponds.

"We know many anglers have questions they would like to ask a warden, and we also know anglers are always looking to learn new tips and tricks," said Education Specialist Corey Hart. "Vermont State Game Wardens and educational



staff will be teaming up to conduct Educational Patrols this winter."

The current pandemic prohibits formal educational programs so as an alternative, anglers are encouraged to fish lakes hosting these

Educational Patrols. Staff will be roaming the ice and will stop by to offer pointers or just chat with anglers about their season.

"This is a great opportunity for anglers new to fishing that are looking to improve their success or who have questions about fishing regulations," said Chief Warden Colonel Jason Batchelder.

The Educational Patrols will last one to two hours. Participants should bring their own equipment and set up on the ice and start fishing. Department staff will be roaming among the anglers and plan to spend at least 10 minutes per group depending on the number of anglers on the ice and

questions.

A list of dates, times and locations for the sessions is below and can be found at this link on Fish and Wildlife's website: <https://vtfishandwildlife.com/fish/fishing-events-and-programs/fishing-c...>

- **January 30:** Chittenden Reservoir, Chittenden — 9am - 10:30am
- **January 30:** Lake Rescue, Ludlow — 12:00pm - 1:30pm
- **January 31:** Lake Paran, Bennington — 9am - 10:30am
- **January 31:** Retreat Meadows, Brattleboro — 12:00pm - 1:30pm
- **February 17:** Knights Point State Park, North Hero — 9:00am - 10:30am
- **February 17:** Dillenbeck Bay, Lake Champlain,

Alburgh — 11:00am - 12:30pm

- **February 20:** Memphremagog-South Bay, Newport — 9:00am - 10:30am
- **February 20:** Memphremagog-Whipple Point, Derby Line — 11:00am - 12:30pm
- **February 21:** Bomoseen-Kehoe Access (Green Dump), Castleton — 8:00am - 9:30am
- **February 21:** Bomoseen State Park, Castleton — 10:00am - 11:30am

Additional information regarding ice fishing opportunities can be found <https://vtfishandwildlife.com/node/460>

Have a question? You can email Corey.Hart@vermont.gov or call him at 802-505-5562.

Water Quality Grants

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receive a letter or email and will be encouraged to apply again the next year, if you are eligible.

If you have been awarded a grant, you will be sent a copy of the grant to sign, as well as a Good Standing Certificate to affirm that you are in good standing with the Agency. You must sign and return both documents to be eligible for payment. Many programs also require a Certificate of Insurance proving your valid liability and workers compensation insurance, while also listing the State

of Vermont, its agents, and employees as additional insured under your policy. Before applying for a grant, please read Attachment C: Standard State Provisions for Contracts and Grants, which contains grantee requirements for insurance coverage and other state regulations.

Purchase/Farm/Construct, and then Submit invoice/claim form

The next step in the process is to complete the project at hand for which you have an active grant agreement. Some programs will require that

you submit an invoice or a claim form demonstrating that you have completed the practices, while other programs may require engineering oversight throughout construction. The reimbursement process will be detailed in your grant award and may differ between programs.

Field Check

An Agency staff member will reach out to you to let you know that they will come by to verify or certify your field/equipment/project. This allows us to document your conservation practice implementation. Some programs require

a visit to occur before payment, while other programs may include visits that occur throughout your grant agreement.

Payment

If all the above is satisfactory, you will receive payment according to the terms of your grant agreement. Please keep in mind that the payment timeframe can vary widely from one program to the next. Some programs require all practices to be complete while others have the flexibility to provide partial payments. If you are not sure where your grant process is at, you

should contact your grant manager to make sure you have submitted all required paperwork.

Follow-up

Some of our grants have longer term follow-up and reporting requirements. For example, CEAP grants require that you report the acres where you used that equipment for the first three years that you own it.

Apply again!

Most Agency grant funding rounds are held annually, and you can apply or re-apply every year.

CLASSIFIEDS

For Sale:**BEES AND QUEENS****McFarline Apiaries**
Untreated bee breeding

VT 5 frame Nucs and deep singles
\$200-\$300, Available May-June
MCF Queens \$30: June to end of July
tmcfarline2@yahoo.com
www.mcfarlineapiaries.com
802-537-3294
Call or email now for details

**Cattle**

In Westford, VT...2 Jersey Heifers. One due end of June. One due 1st of July. \$750 each. 802-338-0684.

350+ cow and 200+ young stock barn/farm facility available for rent. Complete dairy farm with modern double 10 Boumatic parlor. No livestock included. All buildings have slatted floor, no alley scraping needed. Headlocks in all livestock barns, mattresses, curtains, 2 bulk milk tanks. 700 acres of feed for purchase. Rent, buy or will consider raising young stock for other farmers. Let's discuss the possibilities. 802-533-2984

Purebred Polled Hereford yearling heifers. Lull Brook Farm call: Alden Dana 802-436-2068 or email adana77@comcast.net.

2 Registered Guernsey cows: Certified A2A2, milking 75- 80lbs, both sired by Welcome JT - \$1200 each. 1 registered Guernsey bred heifer due late August A2A2 certified, sired by Latimer; dam is EX90 \$1500. 802-222-4047.

Yearling beef steers and heifers \$500 to \$600 each. Beef going up and with good pasture possible to double money by fall, also beef cow calf combination \$1000. 802-728-3760

22 Jersey cows 2 bred heifers. 4 fresh Jan, 2 Feb, 3 due Mar, 4 Apr, 1 May, 2 Jun. Can be reg. Feed grain hay pasture. 802-775-3846

3 breeding age bulls- one Hereford, 2 angus for breeding or beef. Asking \$850 each or will consider trading for Hereford heifers. 802-586-2857

Angus Bulls for sale good genetics, calving ease bulls. Please call 802 533 9804. Greensboro, VT 05841

Registered Angus Cow calf pairs, bred cows Starting \$1500 18 years of Select Sire Artificial Breeding. Call Richard Dickinson, 802-782-9970 or email drdickinson@dbdentalcarevt.com

Scotch Highland/ Belted Galloway crosses for sale. 2 year old bulls, yearling bulls, cow calf pairs, heifers. call for prices. 802-353-7313

Cattle- Hereford, Angus, Holstein bulls for sale. All ages. They're respectful of electric fence. Call 802-735-4725 or email louise.resendes@uvmhealth.org

Black Angus heifers and bulls for sale. Good genetics call for more info 802-558-8196

Retirement sale: 26 crossbred organic cows, 4 are registered Jersey, rest are Jersey, Shorthorn, Ayrshire and Holstein mix. AI bred to Jersey or Swedish Red to

calve in spring and summer. On November 10 still producing 45 lbs on pasture and 10 lbs grain with 4.4% BF 3.3%P. BTSCC 150. \$45,000 for this very gentle group. Also available eight well-grown crossbred heifers due in March \$10,000. 802-623-6584

Employment

Larson Farm and Creamery, 30-cow organic grass-fed Jersey dairy farm and creamery seeks dairy herd manager who is passionate about sustainable dairy production. Responsibilities include milking, feeding, pasture management, herd health, calf and barn chores. Must be able to handle animals calmly, have basic tractor skills. Cleanliness and good organizational skills a must. 802-645-0865

Equipment

24 T John Deere Baler, always undercover, pressure washed & greased \$1950. New 12428 tire \$175. 8N Ford tractor newly done over complete motor job new rear tires \$3500. Contact 802-592-3356

375 gal full tank \$100. CMT bale wrapper \$250. 2 bottom plow \$75. 802-426-3339

3000 gallon mueller bulk tank with 2-5 horsepower compressor. 802-487-4467

Mueller 500 gallon bulk tank with compressor in good condition \$800 OBO. Pequea model 250 3 pt hitch tractor saw with 30" blade - like new- \$1000 OBO. 3 pt hitch - 4 ft hydraulic log splitter \$1800 OBO 802-893-2262

Red cedar posts. 7ft \$5.00. Sharp \$5.50. 8ft \$6.00. Haylage 35/ton. 802-265-4566

2955 John Deere Tractor 4WD, platform with 740 loader, bucket, forks, bale grabber and rock bucket. 4450 John Deere Tractor 4WD, cab, 925 Mower conditioner with impellers. 802-236-4716

Used farm equipment, harrows, rakes, Tedder, all over

20 years old \$20 each. 1 Kaufman trailer 2001 \$150. Call 802-457-2613.

Gestation tabulator by Willard Bates & Son with 100 pins. Make an offer. Snap test kit used twice. Make an offer. Dari Kool 150 gallon bulk tank, \$500. Acorn 17 foot conveyor, \$450. Call 802-933-4159. Leave message, will return your call.

Irrigation pipe. Tico aluminum pipe. 2"x30'. approx 100 pieces available. \$15 each. 5"x30' 30 pieces available. \$30 each. Fittings and sprinklers available. Email for photos or questions. chris@lincolnpeakvineyard.com Lincoln Peak Vineyard, New Haven. 802-388-7368

Grain equipment for sale - 2 gravity box wagons in good condition, one with auger, \$1500 each, Beidler Family Farm, Randolph Center, 802-431-8530.

Loftness snow blower 7 foot. Double auger. Three point mounting. Hydraulic operated shoot. Great condition. Ready to use. Cat 2 or Cat 3 hitch. 100 hp or more to run. \$3,000. New these are \$8,500. Looking to move it. It's a terrific deal. Shaftsbury, VT. 781-307-6801.

IN 843 combine cornhead; IN 7ft windrow head for 881; Gehl 350 spreader; 5 ton grain bin; 25 ton grain bin; case 580 backhoe and 850 dozer for parts; call 802-770-0959.

IH 1486 tractor new tires good AC \$11,9000. IH 1086 tractor rice & cane tires runs good \$7800. JD 3 point hitch 6ft finish mower \$200. Full set of 10 weights and weight bar for IH magnum 1st generation tractors \$700. Pair of 20.8-38 duals with snap on rims \$800. IH 2350 loader \$200. 802-537-2435

8'x17' tandem trailer, all new wood. Great for moving round bales, \$850. 802-586-2857

Master-Bilt 34.5 cubic foot 2-section ice cream

hardening and holding cabinet. \$4,500. Please call 802-436-2948 or e-mail Cobbhillfrozenyogurt@gmail.com

Gehl haylage head Model HA1110 very good running shape, \$1,100. Fits most all Gehls. 333-4840.

2015 Houle manure spreader 5350 gallons 2005 NH FP230 chopper 4 steel wagons 20 feet 2016 Gehl skid steer 165 1 round baie wagon all steel 20 feet tandem krone rake and tedder everything is in excellent shape have sell cows for health reasons. Phone 802-895-2945.

Case International 8340 mower conditioner, stored inside, in good condition. Running, was used last year during first cut. \$2500 or best offer. 802-518-2155.

For sale FMC pto air blast sprayer high pressure pump 300-gal tank 36" fan, works good got new sprayer \$2,100 obo 802-344-013

New Holland 479 hay combine runs good \$500. 430-4378.

Caretree 501B tree spade. New in 2001, I am the second owner. Digs a 28" ball, truncated blades. Despite its age, the unit has been used very little. Always under cover, no hydraulic leaks. Original owner's manual. Currently configured to SSQA with valve body on roof of machine. Comes with bracket to attach valves for use by assistant standing on the ground, and three legs to allow digging smaller balls. Also included is a small supply of wire baskets and burlap socks. \$3000.00 obo. Call Russell @ 802-492-3323. I return all messages. Prefer email russreay@vermontel.net

DS Livestock steel feeders 8' long #F1330 list price \$590 (220lbs) plus shipping and 4' long #F1310 list price \$390 (110lbs) plus shipping. 8' price \$200 - 4' price \$100. bearmountainfarmVT@gmail.com 802-394-7852

CLASSIFIEDS

FOP 230 New Holland chopper. 3 steel 20 feet hay wagons. krone 10 feet 802 323 811080 disc mower mimt . 4 feeder steel wagons excellent 20 feet. gehl skid steer with 2000 hrs. brock grain bin 20 tons. cattle trailer. Andre Morin 802-895-2945, cell 802-323-8110.

NDE sawdust/shavings spreader. Can be mounted on three-point hitch or skid steer. Benson. Pictures on request. Best offer. 770-8060.

Vacuum pump and replacement motor: 1hp, 115v Lisson vacuum pump and never used replacement motor. The vacuum pump has been used to run a milking machine. In good to excellent condition. \$500. for both PIONEER FORECART: Rubber tires, fenders, in excellent condition. \$ 800. Contact Lynn at: 802-563-2999 or email juneiris@fairpoint.net

John Deere 440B Log Skidder for sale. \$10,000 Call Henry 802-276-3096

JD 350 Dozer. New treads, many new undercarriage parts. Winch. Runs well. \$15,000. Thistle Hill Farm (info@ThistleHillFarm.com or 802-457-9349)

3 point hitch fertilizer spreader 500# works well 350.00. 802 384 3553 and wallysdomesticzoo@gmail.com

25,000 Winco PTO Generator on wheels. New Holland 518, 519 Manure spreader. 254 white Harrows 10 ft good shape. 3 Furrow plows – Sweden. 2 Furrow plows. 11 ton Brock Grain bin. 30 ft Hay elevator – red. 802-624-0143/802-895-4683

Equine

Icelandic Walking horse cross. He is 14 hh 2 years old gelded and UTD on shots trims and worming and coggins and is an easy keeper. He is a beautiful yellow dun with striping. He will be sturdy and medium sized. He can

trot and is also gaited . He needs knowledgeable home and trainer . He is not spooky and very friendly and polite. 900 B.O. 802-384-3553 and wallysdomesticzoo@gmail.com

Farm & Farmland

For Lease: 10 acres of organic meadow in Brandon, currently in alfalfa. Producing roughly 12-15 tons per year in dry hay. Three-year lease available, price negotiable, but approximately \$600/yr 802-247-8459

Private Horse Farm. 17+ acres. Covered small arena. Large sand ring. Insulated stable with 3 oversize stalls, attached paddocks, feed/tack room, hay storage, grass pastures with board fencing. Vermont country open concept farmhouse. 3 bedrooms, office, sun room. Solar, cell phone reception, internet. Workshop, chicken house, orchard, stream trails, woods, views. Close to Dartmouth College and DH Medical Center. Equipment and supplies extra. \$549,999. Call 802-785-4410.

General

High Tunnel Greenhouse Assembly & Maintenance: Ledgewood, Harnois, Rimol and more. Complete Assembly, End Wall Construction, Poly Installation, Renovation, and Repairs. Experienced and Professional. Plan Ahead! Get in touch now to get on the 2020 schedule. Contact Mike Feiner at feinervt@gmail.com, www.vineripe.net, (802) 498-8031.

Shelburne/ 5 gallon pails with handles. \$.75 each. Negotiable for volume purchase. 802-999-4644.

Boumatic pipeline - \$2,500. +/-230ft / 2inch / 46 Stalls stainless steel milk line including vacuum line, wash sink, 3 units, control box, and receiver jar is \$2500. \$4000 with vacuum pump. Call (802) 446-2791 Wallingford, ask for Jerry.



Hay, Feed & Forage

Short on feed? Board your heifers with us and we will feed and care for them! We are retired dairy farmers that have excellent facilities available including headlocks, slatted floors and more. Don't buy feed and pay for trucking...send those heifers here. References available upon request. Call 802-533-2984 and let's talk about your options.

Good quality certified organic Haylage stored in Ag Bags and large round bales 1st, 2nd, and 3rd cut. Delivery available. 802-988-2959 or 802-274-2832

Quality Canadian hay for sale, big/small squares wrapped, or unwrapped, round bales wrapped or unwrapped, 1st, 2nd, 3rd cuts available. Switch grass and straw available, call Richard at 802-323-3275

2019 1st cut Timothy and clover hay \$ 5.00 a bale plus delivery fee. Call 603-256-8422

1000 tons corn silage, processed in Colchester. 50 @ ton 802-272-3478 or 802-223-1370 or email sethgardner@hotmail.com

Excellent quality first cut wrapped round bales; baleage. Shelburne VT Call Andy 802-598-6060.

Analysis available upon request.

2019 1st cut 4x4 wrapped round bales for sale. \$40/bale, 2019 2nd cut 4x4 wrapped round bales for sale \$45/bale, South Pomfret, call Tom at 802-457-5834

Organic haylage 12% protein \$45 per ton, 15% protein \$55 per ton. 802-537-2435

4x4 round balage mixed grains cut late June. \$30 802-325-3707

1st cut 4x5 round bales. Don Pettis, 802-265-4566.

1st, 2nd & 3rd cut haylage and corn silage for sale at the bunk. Call Peter Gebbie 802-533-2984, leave a message.

June 15th cut mixed hay, great quality, will load, 4'x4' round bales, \$40/bale, quantity discount/cash prices available. Westford, 802-355-2930.

Certified Organic First Cut Wrapped Round Bales for sale. Clover, Timothy and mixed grasses. Test samples and delivery available. Call Matt 802-558-3879.

Vetch & rye seeds for sale, mixed in 50 lb. bags, \$1/lb. certified by Vermont Organic Farmers. Thornhill Farm, 198 Taylor Road, Greensboro Bend, VT 05842, todd@thornhillfarmvermont.com, 802-441-3176

ADDISON COUNTY

Large squares available in Addison, Vt. Hay is stored under cover. Looks like a long winter ahead of us. Call now and make sure you have enough. Contact S.L. Moore at 802-463-3875.

1st cut 4x5 round bales never wet. Good horse & cow hay. 802-948-2627 or 802-558-0166

Certified organic, small square bales always stacked and stored under cover, 35-40lbs/bale. \$4/bale, discounts available for large quantities. 802-989-0781 for inquiries.

Hay for sale in Addison, VT. Large square bales and small squares. \$50-60 for Large, \$3.50-4.50 for Small. Delivery Available. Call Jack 802-989-8968

Hay for sale. \$3.25 bale. 802-377-5455

73 1st cut 5ft diameter round bales. \$30-\$35 Orwell 802-948-2211

Straw for sale: \$7/bale for 50 or more. \$8/bale for less than 50, \$6/bale for all in the barn, approx. 350. From our winter rye harvest in August. Certified organic. Thornhill Farm, Greensboro Bend, todd@thornhillfarmvermont.com, 802-441-3176.

BENNINGTON COUNTY

Corn Silage 1000 ton plus. Haylage 500 ton plus. Round bales 4x4. Square bales small. 802-394-2976

CALEDONIA COUNTY

Square baled hay- Top quality, VOF certified organic, generous sized. 1st cut \$4.50/bale, 2nd cut \$5.50/bale at the barn in Barnet. 802-592-3088

CHITTENDEN COUNTY

Round bales for horses. Clean first cut timothy mixed grass, quality net wrapped 4' X 5' bales. Never wet. \$45. each. 802- 879-0391 Westford.

15 large 5x5 round bales mixed grass w/some timothy + clover 800+lbs \$50 ea. call 899-4126 or e-mail

FRANKLIN COUNTY

Good Quality Hay 1c & 2c from western US & Canada. Alfalfa orchard & orchard sweet grass 18 to 20% plus protein large bales & organic by trailer loads. Large or small square bales of straw whole or processed at farm we load on direct delivery by trailer load. Mountain View Dairy Farm 802-849-6266

LAMOILLE COUNTY

Organic baled straw. \$5.50/ bale. Certified organic. Valley Dream Farm, Cambridge, Vt. 802-644-6598, valleydream@myfairpoint.net.

ORANGE COUNTY

2019 first cut square hay bales for sale. \$4.00 per bale. Delivery available. Bonnie Kennedy, Chelsea, VT. 802-685-2292.

Approximately 375 ton of high quality grass and clover first and second cut, cut extremely early in 2018. First finished May 22, second finished July 2nd. Tests high in energy and protein. 45% harvested "hay in a day" \$50 per ton. Chris 802-522-9485

ORLEANS COUNTY

Pure alfalfa for sale and also 1st, 2nd and 3rd cut big/ small squares, round bales, wrapped or unwrapped, straw and switch grass. Call Richard at 802-323-3275.

Organic Certified Silage for Sale: We will deliver from our farm or you can come and pick up. Call for prices and delivery charge. 1-802-744-2444 or 802-274-4934 or 802-744-6553.

RUTLAND COUNTY

Good quality 1st and 2nd round bales available, wrapped and dried. Please call 802-446-2435.

WASHINGTON COUNTY

200 – 4x4 round wrapped bales 1st \$45. 802-229-9871

WINDHAM COUNTY

2020 4X4 wrapped baleage. June cut. Certified organic, never wet. 802-254-6982

1st cut hay. Good horse hay. \$4.50 bale 802-254-5069

WINDSOR COUNTY

Hay for sale-400 square bales, Reading, Windsor County Vt. \$3.50 per bale at the barn. Call 802-484-7240

4x5 dry round bales \$45.00, can deliver. 802-457-1376

Rolling Meadows Farm: square bales in the field or barn \$4.00. Delivery can be arranged at \$5.50. Very nice hay from fertilized fields in the South Woodstock and Reading area. Call 802-484-5540 or goodfarmvt@gmail.com. Ask for David.

1st. cut dry round bales for sale. Never been rained on, stored under cover. \$50. @ 1st. cut haylage bales for sale. \$45. Rte. 5 Weathersfield Bow 802 -546-4340.

Dry Round Horse Hay, \$50/ Bale. 200 Bales left. Call 802-356-5030.

Sheep

Sheep Feeders - DS Livestock: 8' long, 4' long and two hexagonal. 20 years old - all steel frames. Cost new

without shipping \$1,420. Package price \$475. bearmountainfarmVT@gmail.com (802)-394-7852

A pure bred (w/papers) Romney Ram 3 years old, 1 pure bred (w/papers) Shetland ram for sale. 4

icelandic/romney ewes for sale various ages/colors (certified organic) 422 4704 leave message

Buying lambs- 40 lb and up &1.75/ lb live weight. Call 802-674-2417. Pick up available

Wanted

Looking for several 4 spoked 4 ft. diameter pin wheels for an old Farmhand rake. The 90 degree rod hole holding the pin wheel on is 21/4 inches in diameter. Call 802-457-2218

This Month's Recipe**Triple Chocolate Meringue Kisses****Ingredients**

2 egg whites
1/4 teaspoon cream of tartar
1/4 teaspoon almond or vanilla extract
1/2 cup sugar
1-ounce semisweet chocolate, grated (optional)
24 milk chocolate kisses
Baking cocoa

Instructions

1. Place egg whites in a bowl; let stand at room temperature for 30 minutes.
2. Add cream of tartar and extract; beat on medium speed until soft peaks form. Gradually add sugar, 1 tablespoon at a time, beating on high until stiff glossy peaks form and sugar is dissolved. Fold in grated chocolate.
3. Insert a medium open-star tip in a pastry or plastic bag. Fill with the meringue. On lightly greased baking sheets, pipe 24 1-inch circles.
4. Press a chocolate kiss into the center of each. Pipe meringue around each kiss in continuous circles from the



base to the top until kiss is completely covered. Dust with cocoa.

5. Bake at 325° for 15-18 minutes or until the edges are lightly browned. Immediately remove to wire racks to cool. Store in an air-tight container.

Note: We have seen similar recipes say it will make 42 cookies.

Hemp Seed Labeling

continued from page 8

gov/public-health-agricultural-resource-management-division/animal-feeds-seed-fertilizer-lime/seed

An application to become a seed dealer, https://agriculture.vermont.gov/sites/agriculture/files/documents/Weights_Measures/Seed%20Registration%20Application%20Form.pdf

The law addressing hemp seed labeling standards please go to <https://legislature.vermont.gov/statutes/section/06/034/00571>.

The law complete law addressing hemp seed labeling standards and penalties: <https://legislature.vermont.gov/statutes/chapter/06/034>, and <https://legislature.vermont.gov/statutes/chapter/06/035>.

Vermont Fish and Wildlife Department Fish Health Laboratory Renamed in Honor of Fish Health Biologist Dr. Cassidy Hahn Shaw

By VT Department of Fish & Wildlife

On Thursday, December 17, 2020, friends, family and past work colleagues from the Vermont Fish and Wildlife Department (VTFWD), the State of Vermont, the United States Geological Survey (USGS), as well as the United States Department of Agriculture (USDA), gathered virtually to acknowledge the career accomplishments and contributions of Dr. Cassidy Hahn Shaw with the dedication and renaming of the VTFWD's new fish health laboratory -- the Dr. Cassidy Hahn Shaw Fish Health Laboratory.

Dr. Shaw previously was a fisheries biologist and research assistant for the USGS Leetown Science Center, a past research microbiologist with the USDA National Center for Cool and Coldwater Aquaculture Research, a past VTFWD fish health biologist, and most recently the VTFWD's fish culture operations manager. Prior to her resignation from VTFWD due to health reasons, Dr. Shaw was instrumental in the final completion and installation of the new fish health laboratory.

Throughout Dr. Shaw's career she worked on significant fisheries projects and research such as analyzing genetic resistance

to bacterial coldwater disease in cultured rainbow trout, diagnostics and molecular analysis of melanistic tumors on brown bullhead in Lake Memphremagog, the discovery of a novel aquareovirus in landlocked Atlantic salmon in Lake Champlain, as well as many other fish culture and fish health projects. Her work ethic, perseverance, managerial excellence, and willingness to tackle new, complex challenges led to the renaming and dedication of the fish health laboratory in her name.

Dr. Shaw currently resides in Jefferson, Maryland with her husband and two children. Her dedication to her family, her work, and her colleagues are noted and the impact that she has on people, both professionally and personally is extraordinary.

With Dr. Shaw, her friends, family, and work colleagues present on the Zoom meeting, a plaque was revealed that is now displayed at the entrance to the renamed lab that reads:

**Dr. Cassidy Hahn Shaw
Fish Health Laboratory**

A past employee of the Vermont Fish and Wildlife Department, The United States Department of Agriculture, and the United States Geological Survey, Dr. Cassidy Hahn Shaw's commitment and career accomplishments in the

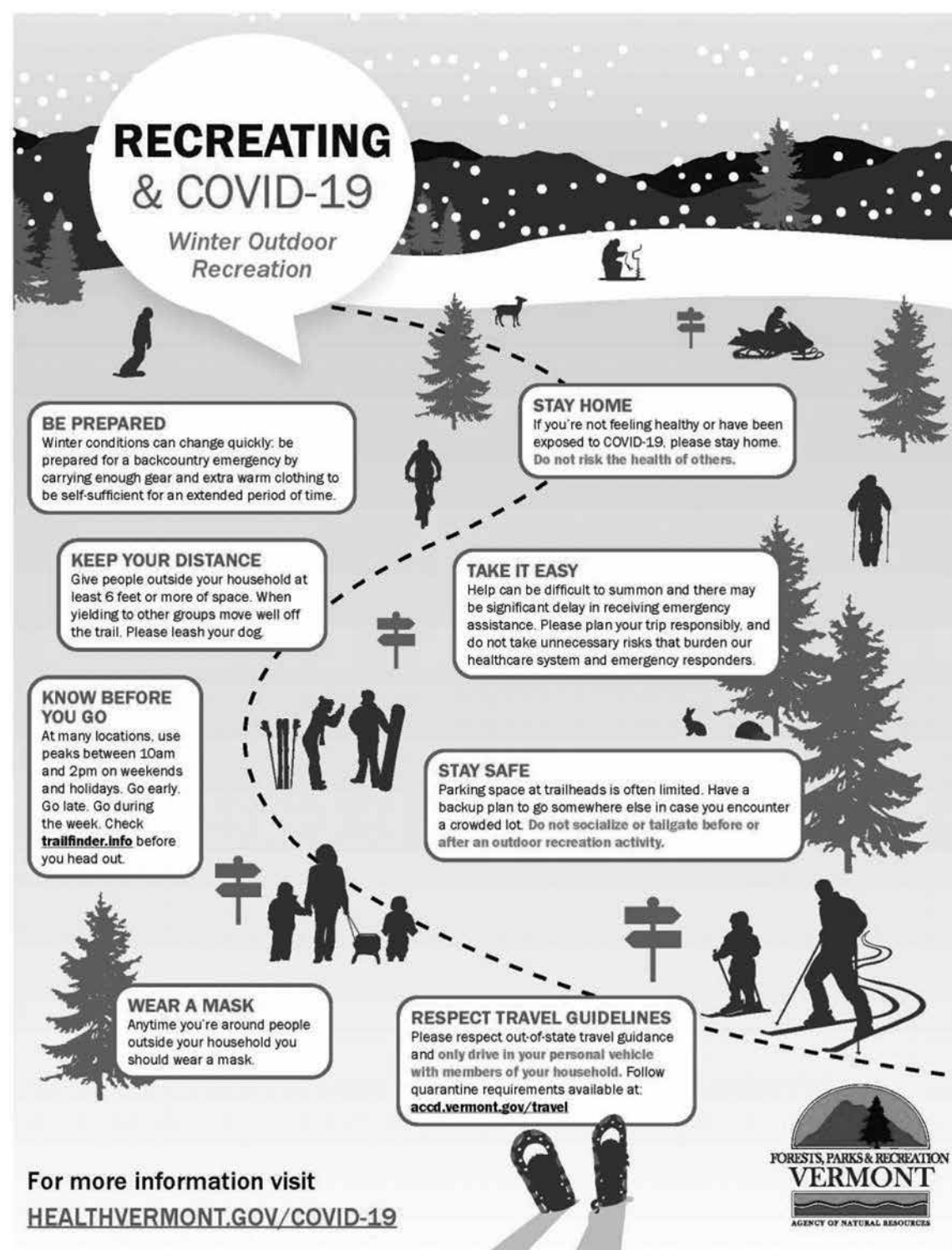
fields of fish health, fisheries, and fish culture cannot be overstated.

Her contributions to the field of fisheries and science in general, both in the State of Vermont and beyond, are

to be remembered for years to come.

This fish health laboratory, dedicated in her name, recognizes her perseverance, strength, and commitment to scientific and managerial

excellence that echo through the years to promote sound scientific management of Vermont's fish and wildlife resources for future generations.



Dormant Oils and Other February Gardening Tips

By Leonard Perry, UVM Horticulturist & Charlie Nardozzi, Garden Consultant

Applying dormant oil sprays if needed, inventorying seed supplies, and learning about “clean air” houseplants, are some of the garden activities for this month.

Now is a good time to take inventory of your supplies for seed starting. Check quantities of potting soil, containers, labels and similar supplies. Wash any used containers, then disinfect them with a 10 percent bleach solution (one part bleach to ten parts water), or less corrosive solution of a household disinfectant such as Lysol (one part to two parts water).

When a break in the cold brings temperatures above 40 degrees, it's a good time to spray dormant oil on landscape plants infested with scale and other overwintering pests. The oil will smother the insects. Only apply when the temperature is predicted to stay around 40 degrees, or above, for at least 24 hours. And, as with any pesticide, make sure to follow label directions. Some plants, such as maples, may be injured from it and, if overused, it can remove some of the blue color from blue spruces. Dormant oils are useful to control some scale insects, such as magnolia scale, and mites which overwinter as exposed eggs (not the two-spotted mites).

While many consider genetically modified (GMO) crops as bad, there now is potentially a good plant use—for a houseplant. Researchers at the University of Washington (www.washington.edu/news) introduced a synthetic version of a protein (2E1), which occurs in mammals, into pothos or devil's ivy. In humans, this protein is found in the liver and becomes active when we drink alcohol. So, in this common vining houseplant, it turns on to break down the volatile organic compounds (VOCs) benzene and chloroform. The former in homes comes from stored power equipment in connected rooms, such as garages. The latter chemical is present in small amounts in chlorinated water. This plant could really be helpful, as these chemicals are too small to be captured by HEPA filters.

Although pothos was one of the original “Clean Air” plants, found in the 1980's by NASA's Dr. Wolverton of removing some air pollutants, the Washington researchers found that their unmodified pothos plants didn't remove these chemicals. They're now trying to modify pothos further, to remove another indoor pollutant—formaldehyde. This harmful chemical comes from some wood products, such as cabinets and laminate flooring, and tobacco smoke.

Other top clean air plants

to consider include areca palm, rubber plant, Janet Craig dracaena, Boston fern, and peace lily. You can find more about these, and others, from the book by Dr. Wolverton (*How to Grow Fresh Air: 50 House Plants that Purify Your Home or Office*).

When tree and shrub branches bend under the weight of a new snowfall, use a broom to gently

brush off the snow. Don't try to remove ice or you might break the branch. It's possible to save a large branch that partially splits from the main trunk if you tie it in place and use long screws (coming from each direction, if necessary) to secure it. If done right away, the tree may callous over the wound and heal itself during warm days.

Other activities for this

month include keeping birds fed regularly and heated bird baths cleaned every few days; starting small seeds indoors, such as begonias and pansies; checking houseplants for pests weekly and fertilizing them if they're growing; and buying some cut flowers or potted spring bulbs for Valentine's Day, or just to brighten up your indoors.

Five Gardens to Visit From the Comfort of Home

By Erin Hunt, Extension Master Gardener Intern University of Vermont

When planning a foreign adventure, adding a garden to the itinerary is an ideal way to be outside, avoid large crowds and leisurely explore on a budget.

You are able to see sweeping landscapes designed by architects as well as exotic plants up close. And you will come away with ideas for your own garden back home.

Botanical gardens and their greenhouses not only provide insight into the local flora and fauna but also the culture and history of the country you are visiting. Although international travel is limited now, we will be able to use our passports

again one day.

Until then, why not visit some of these gardens virtually? Here are some lesser-known gardens found across the globe that you might want to add to your future travel list.

Adachi Museum of Art
Yasugi, Japan
(www.adachi-museum.or.jp/en)

This museum housing modern Japanese art also features six beautiful outdoor gardens designed by museum founder Adachi Zenko, who said, “The garden is, so to speak, a picture scroll.” A waterfall garden and a dry landscape garden, which needs little to no additional irrigation, are among the museum's 40 acres of gardens.

Mauritius National Botanical Garden
Port Louis, Mauritius
(<http://ssrbg.govmu.org>)

This botanical garden, formally known as Sir Seewoosagur Ramgoolam Botanic Garden, originally was a private garden created for the French governor of Mauritius several centuries ago. It later was designated as the national botanical garden of Mauritius. It features more than 650 plant species, including 85 different varieties of palm trees from all over the world, plus many native tropical plants.

Ayrlies Garden And Wetlands
Auckland, New Zealand
(<http://ayrlies.co.nz>)

Ten acres of gardens are connected to the Hauraki

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Five Gardens to Visit

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Gulf by 35 acres of planned wetlands, accessible by a one-hour loop walk, offering a diverse outdoor experience filled with plants and wild-life. The gardens, established in 1964, combine traditional perennial landscape design with boldly colored borders and include a number of plant species from the more familiar roses and clematis to bromeliads and other sub-tropical plants.

Wallenstein Garden

Prague, Czech Republic
(<http://go.uwm.edu/waldsteingarden>)

In sharp contrast to the rolling gardens and wetlands of Ayrilies, the Wallenstein Garden at the Wallenstein Palace in the center of Prague consists of several Baroque-style period gardens with statuary, water features and an aviary. Flower beds scattered among the tidy and precise hedges of the four courtyards are planted with tulips and other colorful flowers. Bronze replica Greek statues stand where the originals, stolen by the Swedes in 1648 during the Thirty Years' War, once stood. The original statues can be seen outside the royal palace of Drottningholm near Stockholm.

Kilmacurragh Gardens

Wicklow, Ireland
(<http://botanicgardens.ie/kilmacurragh>)

This 52-acre arboretum, now part of the National Botanic Gardens, was once the home of a 7th-century monastery and later the estate of the Acton family. Many of the current gardens were established during the Victorian era by Thomas Acton and his sister Jane,



National Botanic Gardens, Kilmacurragh, County Wicklow, Ireland

world travelers and avid plant collectors. Species that have failed at Kilmacurragh's parent garden, Glasnevin in Dublin, an hour north, can be grown successfully here

due to the milder climate and better soil conditions. The gardens are famous for their historic rhododendron and conifer collections.

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